

APALACHICOLA RIVER BASIN 2003 Water Year

02336647 SANDY CREEK AT SANDY CREEK ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°47'00", long 84°30'47" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert Sandy Creek Road, 0.90 miles upstream of the Chattahoochee River, and 0.20 miles north of GA 70.

DRAINAGE AREA.—4.94 mi².

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of Specific Conductance, pH, Water Temperature, Dissolved Oxygen, and Turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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Date	Nitrite			Ortho-			Total			E. coli,		Fecal	Total
	Ammonia water, filtrd, mg/L (00608)	Nitrate water, filtrd, mg/L (00618)	Nitrate water, filtrd, mg/L (00631)	Nitrite water, filtrd, mg/L (00613)	Ortho- phos- phate, filtrd, mg/L (00660)	Ortho- phosphate, filtrd, mg/L (00671)	nitro- gen, filtrd, mg/L (00666)	Phos- phorus, water, by anal ysis, mg/L (62854)	Quanty M-FC (50468)	Quanty MPN/ col/ (50468)	Colert Barium, 100 mL (31625)	form, MPN/ col/ (50569)	coliform, ug/L (01005)
JUN													
18...	.063	.33	.440d	.110	.083	.027	.04	.68	25000	43000	>242000k	16.3	140
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1.66	.48	.480d	<.100	.101	.033	.06	2.64	41000	68000	>242000k	35.4	240
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Stront- ium, water, filtrd, ug/L (01080)	Alum- inum, water, filtrd, ug/L (01106)	Mangan- ese, water, filtrd, ug/L (01056)	Zinc, water, filtrd, ug/L (01090)	Cadmium water, filtrd, ug/L (01025)	Chrom- ium, water, filtrd, ug/L (01030)	Copper, water, filtrd, ug/L (01040)	Lead, water, filtrd, ug/L (01049)	Nickel, water, filtrd, ug/L (01065)	Silver, water, filtrd, ug/L (01075)	inum, susnd sedimnt total, ug/g (30221)	mony, susnd sedimnt total, percent ug/g (29816)	Arsenic susnd sedimnt total, ug/g (29818)
JUN													
18...	20	<50	<100	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	6.8	.7	6.0
18...	--	44	15.3	7	E.02n	<.8	3.3	.58	.77	<.20	--	--	--
JUL													
16...	80	<50	440	--	--	--	--	--	--	--	--	--	--
16...	--	6	422	8	E.03n	<.8	1.2	.11	1.07	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll- ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom- ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, ug/g (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Manganese, suspnd sedimnt total, ug/g (29839)	Denum, suspnd sedimnt total, ug/g (29841)	Molyb- denum, suspnd sedimnt total, ug/g (29843)	
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	470	3	.4	39	10	22	2.1	72	25	470	.02	1	17
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Selen- ium, suspnd sedimnt total, ug/g (29847)	Stront- ium, suspnd sedimnt total, ug/g (29850)	Thall- ium, suspnd sedimnt total, ug/g (35040)	Titan- ium, suspnd sedimnt total, ug/g (49955)	Vanad- ium, suspnd sedimnt total, ug/g (30317)	Zinc, suspnd sedimnt total, ug/g (29853)	Uranium conc, suspnd sedimnt through flow through lab, ug/g (29855)	Lithium conc, suspnd sedimnt through flow through lab, ug/g (35046)	Suspnd. sedimnt through flow through lab, ug/g (50279)	Uranium conc, suspnd sedimnt through flow through lab, ug/g (35002)	Alum- inum, suspnd sedimnt total, ug/g (34792)	Anti- mony, suspnd sedimnt total, ug/g (34797)	Arsenic bed sed sedimnt total, ug/g (34802)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	76	<50	.300	60	120	<50	778	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	<50	8.6	M	M

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	Barium, bed sed	Beryll- ium, bed sed	Cadmium, bed sed	Chrom- ium, bed sed	Cobalt, bed sed	Copper, bed sed	Iron, bed sed	Lead, bed sed	Lithium ese, bed sed	Mangan- denum, bed sed	Mercury denum, bed sed	Molyb- denum, bed sed	Nickel, bed sed
<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um
dry svd	<62.5um	dry svd	<62.5um	dry svd	dry svd	dry svd	dry svd	dry svd	<62.5um	dry svd	<62.5um	dry svd	<62.5um
Date	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g	lab, total, ug/g
(34807)	(34812)	(34827)	(34842)	(34847)	(34852)	(34882)	(34892)	(34897)	(34907)	(34912)	(34917)	(34927)	

JUN	18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL	16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	720	3	M	27	12	33	2.8	66	31	1500	.05	<1	13	

	5-Meth-											
	4-	4-	4-	4-tert-	yl-1H-	9,10-		Benzo-		beta-	beta-	
Date	Cumyl-phenol, water, filtr, ug/L (62060)	Octyl-phenol, water, filtrd, ug/L (62061)	Nonyl-phenol, water, filtrd, ug/L (62085)	Octyl-phenol, water, filtrd, ug/L (62062)	benzo- tri- azole, wat filt ug/L (62063)	Anthra- quinone, water, filtrd, ug/L (62066)	Aceto- phenone, water, filtrd, ug/L (62064)	Anthra- cene, water, filtrd, ug/L (62065)	[a]- pyrene, water, filtrd, ug/L (34221)	Benzo- phenone, water, filtrd, ug/L (34248)	Sitos- terol, water, filtrd, ug/L (62067)	Stigmar- stanol, water, filtrd, ug/L (62068)

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Date	D-Limo-nene, water, ug/L (62073)	Ethoxy-octyl-phenol, water, ug/L (61706)	Fluor-anthene, water, ug/L (34377)	HHCB, water, ug/L (62075)	Indole, water, ug/L (62076)	Isobor-neol, water, ug/L (62077)	Iso-propyl-benzene, water, ug/L (34409)	quin-oline, water, ug/L (62078)	Menthol, water, ug/L (62079)	Meta-laxyl, water, ug/L (62080)	salicy-late, water, ug/L (50359)	Methyl-chlor, water, ug/L (62081)	Metola-chlor, water, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	M	E.1	E.2	<.5	<.5	M	<.5	1.7	<.5	E.1	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	E.1	<1	<2	E.1	E.4	<.5	<.5	<.5	<.5	<1	<.5	M	
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	E.1	M	<2	M	.7	<.5	M	<.5	<.5	E.1	M	E.1	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	3060	10							
18...	--	--	--	--	3070	10							
18...	E.4	E.1	E.1	<1.00	3060	10							
JUL													
16...	--	--	--	--	3070	10							
16...	E.4	M	E.1	<1.00	3070	10							
16...	--	--	--	--	3070	70							

Remark codes used in this report:

< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:

d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV